#### PATENT COOPERATION TREATY

#### **PCT**

### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference P-6624-PC	FOR FURTHER ACTION	See item 4 below		
International application No. PCT/IL2005/000208	International filing date (day/month/year) 20 February 2005 (20.02.2005)	Priority date (day/month/year) 18 February 2004 (18.02.2004)		
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237				
Applicant COLOR CHIP (ISRAEL) LTD.				

1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).				
2.	This REPORT consists of a total of 5 sheets, including this cover sheet.				
	In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.				
3.	3. This report contains indications relating to the following items:				
	Box No. I	Basis of the report			
	Box No. II	Priority			
	Box No. III	Non-establishment of opin applicability	nion with regard to novelty, inventive step and industrial		
	Box No. IV	Lack of unity of invention			
	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
	Box No. VI	Certain documents cited			
	Box No. VII	Certain defects in the international application			
	Box No. VIII	Certain observations on th	e international application		
4.	4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.2).				
			Date of issuance of this report 22 August 2006 (22.08.2006)		
The Later of NIDO		- CAMBO	Authorized officer		

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The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

PATENT COOPERATION TREATY REC'B 0 4 NOV 2005 INTERNATIONAL SEARCHING AUTHORITY WIPO To: Shemi et al. PEARL COHEN ZEDEK LATER WRITTEN OPINION OF THE SHENKAR 5 PO BOX 12704 INTERNATIONAL SEARCHING AUTHORITY HERZLIA, ISRAEL 46733 (PCT Rule 43bis.1) Date of mailing **0.2 NOV 200**5 (day/month/year) FOR FURTHER ACTION Applicant's or agent's file reference See paragraph 2 below P-6624-PC Priority date (day/month/year) International filing date (day/month/year) International application No. 18 February 2004 (18.02.2004) 20 February 2005 (20.02.2005) PCT/IL05/00208 International Patent Classification (IPC) or both national classification and IPC IPC(7): G02B 6/36 and US Cl.: 385/88 Applicant COLOUR CHIP LTD 1. This opinion contains indications relating to the following items: Basis of the opinion Box No. I Priority Box No. II Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. III Lack of unity of invention Box No. IV Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Certain documents cited Box No. VI Certain defects in the international application Box No. VII Certain observations on the international application Box No. VIII 2. FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/ US
Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450

P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230 Date of completion of this opinion

23 September 2005 (23.09.2005)

Authorized officer Rhondo

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PC.

Ellen Kim

Telephone No. 571-272-2349

Form PCT/ISA/237 (cover sheet) (April 2005)

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/IL05/00208

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Box No. I Basis of this opinion	_			
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1. With regard to the language, this opinion has been established on the basis of:				
the international application in the language in which it was filed				
a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).				
<ol><li>With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:</li></ol>				
a. type of material				
a sequence listing				
table(s) related to the sequence listing				
b. format of material				
on paper				
in electronic form				
c. time of filing/furnishing				
contained in the international application as filed.				
filed together with the international application in electronic form.				
furnished subsequently to this Authority for the purposes of search.				
•				
In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.				
4. Additional comments:				

Form PCT/ISA/237(Box No. I) (April 2005)

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International	application No.	

PCT/IL05/00208

Box No. IV Lack of unity of invention				
1.	In response to the invitation (Form PCT/ISA/206) to pay additional fees the applicant has, within the applicable time limit:  paid additional fees  paid additional fees under protest and, where applicable, the protest fee  paid additional fees under protest but the applicable protest fee was not paid  not paid additional fees			
2.	This Authority found that the requirement of unity of invention is not complied with and chose not to invite the applicant to pay additional fees.			
3.	This Authority considers that the requirement of unity of invention in accordance with Rule 13.1, 13.2 and 13.3 is  complied with  not complied with for the following reasons:  See the lack of unity section of the International Search Report(Form PCT/ISA/210)			
4.	Consequently, this opinion has been established in respect of the following parts of the international application:  all parts.  the parts relating to claims Nos. 1-2			

Form PCT/ISA/237 (Box No. IV) (April 2005)

#### WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/IL05/00208

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

				_	
1. State	ement				
	Novelty (N)	Claims	NONE	YES	
	• • •	Claims		NO	
		<b>.</b> .			
	Inventive step (IS)	Claims	NONE 1_0		
		Ciaiiiis	1-9	NO	
	Industrial applicability (IA)	Claims	1-9	YES	
		Claims	NONE	NO	
2. Citat	ions and explanations:	· · · · · · · · · · · · · · · · · · ·			
Claims 1	-9 lack novelty under PCT Article 33(2) as	being anticipa	ted by Yoshimura et al [USPAT 6,611,635].		
	Yoshimura et al disclose a hybrid module An electro-optical component 6 An electronic component for am A planar light wave circuit; and At least one optical waveguide 2	28 [fig. 4-2, p. plifying [351,			
	In re claim 2, Yoshimura et al show a con	nector near 13			
	In re claim 3, Yoshimura et al show a mirr	ror in fig. 105-	108.		
	In re claim 4, Yoshimura et al cleary show	the tapered po	ortion of the waveguide in fig. 4-2.	,	
material.	In re claims 5-9, Yoshimura et al teach at column 6, second paragraph that the substrate 12 can be made of aluminum al. It is clear that the aluminum material inherently functions as a heat sink.				
	In re claims 8, the plurality of optical wave	eguides are sho	wn in fig. 1.		
	-9 meet the criteria set out in PCT Article 3 ade or used in industry.	3(4), and thus	show industrial applicability because the subje	ct matter claimed	

Form PCT/ISA/237 (Box No. V) (April 2005)